

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3	("20040057593" or "6507603" or "4716453").pn.	US-PGPUB; USPAT	AND	ON	2010/05/26 16:01
L3	37	sampling with chip with less with (frequency or rate)	US-PGPUB; USPAT	AND	ON	2010/05/26 16:32
L4	27	sampling with chip with under with (frequency or rate)	US-PGPUB; USPAT	AND	ON	2010/05/26 17:07
L5	40	sampling same degrees near2 freedom and CDMA	US-PGPUB; USPAT	AND	ON	2010/05/26 17:11
L6	17	sampling same degrees near2 freedom and CDMA (375/130,136,140,141-148,152 or 370/310,320,324,319,491).ccls.	US-PGPUB; USPAT	AND	ON	2010/05/26 17:46
S1	18	((irena with maravic) or (martin with vetterli) or (julius with kusuma)).in.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:36
S2	1	"20070143078".pn.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:39
S3	96	(poly\$1technique with lausanne).as.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:44
S4	96	(polytechnique with lausanne).as.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:45
S5	131	(polytechnique with ecole).as.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:45
S6	4	(polytechnique with ecole with federal).as.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:45
S7	96	(polytechnique with ecole with lausanne).as.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:45
S8	35	(polytechnique with ecole).as. NOT (LAUSANNE).as.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:45
S9	2730	(qualcomm).as.	US-PGPUB; USPAT	AND	ON	2008/02/12 17:48
S10	3	(qualcomm).as. and (sampling with (spread\$1spectrum or (spread with spectrum)))	US-PGPUB; USPAT	AND	ON	2008/02/12 17:48
S11	2	((irena with maravic) or (martin with vetterli) or (julius with kusuma)).in. and (sampling with (spread\$1spectrum or (spread with spectrum)))	US-PGPUB; USPAT	AND	ON	2008/02/12 17:50
S12	2	((irena with maravic) or (martin with vetterli) or (julius with kusuma)).in. and (sampl\$3 with (spread\$1spectrum or (spread with spectrum)))	US-PGPUB; USPAT	AND	ON	2008/02/12 17:50
S13	4	((irena with maravic) or (martin with vetterli) or (julius with kusuma)).in. and shannon\$3	US-PGPUB; USPAT	AND	ON	2008/02/12 17:55

S14	3	((irena with maravic) or (martin with vetterli) or (julius with kusuma)).in. and (shannon\$3 with (smaller or lower))	US-PGPUB; USPAT	AND	ON	2008/02/12 18:02
S15	0	(polytechnique with ecole with lausanne).as. and shannon\$3	US-PGPUB; USPAT	AND	ON	2008/02/12 18:03
S16	33	(qualcomm).as. and shannon\$3	US-PGPUB; USPAT	AND	ON	2008/02/12 18:20
S17	4	((irena with maravic) or (martin with vetterli) or (julius with kusuma)).in. and (rate with innovat\$3)	US-PGPUB; USPAT	AND	ON	2008/02/12 18:29
S18	6	((irena with maravic) or (martin with vetterli) or (julius with kusuma)).in. and (degree\$1 with free\$1dom\$1)	US-PGPUB; USPAT	AND	ON	2008/02/14 11:59
S19	349	sub\$1nyquist or sub\$1shannon\$1	US-PGPUB; USPAT	AND	ON	2008/02/14 12:06
S20	301	(sub\$1nyquist or sub\$1shannon\$1) with sampling	US-PGPUB; USPAT	AND	ON	2008/02/14 12:07
S21	12	(sub\$1nyquist or sub\$1shannon\$1) with sampling and (cdma or W\$1cdma)	US-PGPUB; USPAT	AND	ON	2008/02/14 12:07
S22	13	(sub\$1nyquist or sub\$1shannon\$1) with sampling and (cdma or W\$1cdma or ultra \$1wide\$1band)	US-PGPUB; USPAT	AND	ON	2008/02/14 12:09
S23	15	(sub\$1nyquist or sub\$1shannon\$1) with sampling and (cdma or W\$1cdma or ultra \$1wide\$1band or (ultra with wide\$1band) or (ultra with wide with band))	US-PGPUB; USPAT	AND	ON	2008/02/14 12:09
S24	1835	(sub\$1nyquist or ((sub or below or under or lower) near5 nyquist))	US-PGPUB; USPAT	AND	ON	2008/02/14 12:48
S25	111	(sub\$1nyquist or ((sub or below or under or lower) near5 nyquist)) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/14 12:49
S26	107	(sub\$1nyquist or ((sub or below or under or lower) near5 nyquist)) and cdma and sampl\$3	US-PGPUB; USPAT	AND	ON	2008/02/14 12:49
S27	57	((sub\$1nyquist or ((sub or below or under or lower) near5 nyquist) or sub\$1shannon or ((sub or below or under or lower) near5 nyquist)) with sampl\$3) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/14 12:55
S28	507	(rate with innovation)	US-PGPUB; USPAT	AND	ON	2008/02/14 13:10
S29	28	(rate with innovation) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/14 13:10
S30	19	(rate with innovation) and cdma and sampl\$3	US-PGPUB; USPAT	AND	ON	2008/02/14 13:11
S31	2426	(degree\$1 near3 freedom) same sampl\$3	US-PGPUB; USPAT	AND	ON	2008/02/14 13:16
S32	67	(degree\$1 near3 freedom) same sampl\$3 and cdma	US-PGPUB; USPAT	AND	ON	2008/02/14 13:16
S33	27	(degree\$1 near3 freedom) same sampl\$3 and cdma and (nyquist or shannon)	US-PGPUB; USPAT	AND	ON	2008/02/14 13:32
S34	62	sampling with (below or under or sub) with chip with rate	US-PGPUB; USPAT	AND	ON	2008/02/14 13:44
S35	22	("2"\$1D\$1rake or ("2"\$1D near rake))	US-PGPUB; USPAT	AND	ON	2008/02/14 14:12

S36	12	(sub\$1nyquist or sub\$1shannon\$1) with sampling and cdma	US-PGPUB; USPAT	AND	ON	2008/02/14 16:23
S37	700	((chip near2 (rate or frequenc\$3)) with sampling) and (cdma or W\$1cdma or ultra \$1wide\$1band or (ultra with wide\$1band) or (ultra with wide with band))	US-PGPUB; USPAT	AND	ON	2008/02/14 16:25
S38	38	(sampling near3 (below or under or sub)) with (chip with (rate or frequency or time))	US-PGPUB; USPAT	AND	ON	2008/02/14 16:27
S39	18	(sampling near3 (below or under or sub)) with (chip with (rate or frequency or time)) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/14 16:27
S40	19	(sampling near3 (below or under or sub)) with (chip with (rate or frequency or time)) and (cdma or uwb)	US-PGPUB; USPAT	AND	ON	2008/02/14 16:28
S41	1	"5818866".pn.	US-PGPUB; USPAT	AND	ON	2008/02/14 16:38
S42	1	"5818866".pn. and (chip with rate with sampling)	US-PGPUB; USPAT	AND	ON	2008/02/14 16:38
S43	85	(sampl\$3 with at with chip with rate)	US-PGPUB; USPAT	AND	ON	2008/02/14 17:14
S44	27	(sampl\$3 with at with chip with rate) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/14 17:16
S45	27	(sampl\$3 with at with chip with rate) and cdma and (chip with rate)	US-PGPUB; USPAT	AND	ON	2008/02/14 17:23
S46	1	(sampl\$3 with at with chip with rate) and cdma and (chip with rate) and "6904079".pn.	US-PGPUB; USPAT	AND	ON	2008/02/14 17:32
S47	5	sampling and marziliano.in.	US-PGPUB; USPAT	AND	ON	2008/02/14 18:33
S48	1	"6650688".pn.	US-PGPUB; USPAT	AND	ON	2008/02/14 19:34
S49	1	"6470023".pn.	US-PGPUB; USPAT	AND	ON	2008/02/14 21:39
S50	623	degrees near2 freedom and cdma	US-PGPUB; USPAT	NEAR	OFF	2008/02/14 21:41
S51	623	(degrees near2 freedom) and cdma	US-PGPUB; USPAT	NEAR	OFF	2008/02/14 21:41
S52	620	(degrees near freedom) and cdma	US-PGPUB; USPAT	NEAR	OFF	2008/02/14 21:41
S53	17	(degrees near freedom) with cdma	US-PGPUB; USPAT	NEAR	OFF	2008/02/14 21:43
S54	17	((degrees near freedom) with cdma) and cdma and (degrees near freedom)	US-PGPUB; USPAT	NEAR	OFF	2008/02/14 21:45
S55	2	(innovation or (degree near freedom)) with (amplitude and location)	US-PGPUB; USPAT	NEAR	OFF	2008/02/14 22:17
S56	4139	((innovation or (degree near freedom)) with (amplitude or time or location))	US-PGPUB; USPAT	NEAR	OFF	2008/02/14 22:19
S57	186	((innovation or (degree near freedom)) with (amplitude or time or location)) and (cdma or spread\$1spectrum or (spread with spectrum))	US-PGPUB; USPAT	NEAR	OFF	2008/02/14 22:19

S58	1	"20020051433".pn.	US-PGPUB; USPAT	AND	ON	2008/02/15 19:16
S59	67	"375".clas. and (sinc near filter\$3)	US-PGPUB; USPAT	AND	ON	2008/02/15 20:20
S61	112	"375".clas. and (gaussian near filter\$3) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/15 20:21
S62	274	(455/193.1).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/15 22:46
S63	2681	((moving or turning) near2 antenna)	US-PGPUB; USPAT	AND	ON	2008/02/15 22:47
S64	240	((moving or turning) near2 antenna) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/15 22:47
S65	25	((turning) near2 antenna) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/15 22:47
S66	1162	((multi\$1carrier near2 (cdma or code)) or mc\$1cdma)	US-PGPUB; USPAT	AND	ON	2008/02/15 22:50
S67	186	((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and rake	US-PGPUB; USPAT	AND	ON	2008/02/15 22:51
S68	65	((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and rake and (\$1fft or \$1dft)	US-PGPUB; USPAT	AND	ON	2008/02/16 00:18
S69	1162	((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma)	US-PGPUB; USPAT	AND	ON	2008/02/16 01:41
S70	396	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma)	US-PGPUB; USPAT	AND	ON	2008/02/16 01:41
S71	0	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and (\$1fft adj de\$1spread\$3)	US-PGPUB; USPAT	AND	ON	2008/02/16 02:05
S72	1	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and (\$1fft adj5 de\$1spread\$3)	US-PGPUB; USPAT	AND	ON	2008/02/16 02:05
S73	3	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and (\$1fft with de\$1spread\$3)	US-PGPUB; USPAT	AND	ON	2008/02/16 02:06
S74	8	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and (fourier with de\$1spread\$3)	US-PGPUB; USPAT	AND	ON	2008/02/16 02:08
S75	22	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and (fourier same de\$1spread\$3)	US-PGPUB; USPAT	AND	ON	2008/02/16 02:13

S76	429	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and (direction near2 arrival) and cdma	US-PGPUB; USPAT	AND	ON	2008/02/16 02:21
S77	1	"20030123384".pn.	US-PGPUB; USPAT	AND	ON	2008/02/16 17:18
S78	1	"20020051433".pn.	US-PGPUB; USPAT	AND	ON	2008/02/16 17:35
S79	1	"20020051433".pn.	US-PGPUB; USPAT	AND	ON	2008/02/18 10:59
S80	1	"20030123384".pn.	US-PGPUB; USPAT	AND	ON	2008/02/18 11:01
S81	6102	((ultra with wide with band) or (ultra with wide\$1band) or ultra\$1wide\$1band)	US-PGPUB; USPAT	AND	ON	2008/02/18 11:42
S82	42	((ultra with wide with band) or (ultra with wide\$1band) or ultra\$1wide\$1band) and CDMA and @ad<"20010315"	US-PGPUB; USPAT	AND	ON	2008/02/18 11:42
S83	1	"20070183535".pn.	US-PGPUB; USPAT	AND	ON	2008/02/18 11:48
S84	8395	(370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	OFF	2008/02/18 15:15
S85	364	S84 and S81	US-PGPUB; USPAT	AND	ON	2008/02/18 15:15
S86	6	(qualcomm).as. and shannon\$3 (370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:15
S87	9	(sampling near3 (below or under or sub)) with (chip with (rate or frequency or time)) and cdma (370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:15
S88	35	((moving or turning) near2 antenna) (370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:16
S89	12	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and (fourier same de\$1spread\$3) (370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:16
S90	243	((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) (370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:16
S91	123	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and ((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) (370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:16
S92	22	((multi\$1carrier near2 (cdma or code)) or mc\$1cdma) and rake and (\$1fft or \$1dft) (370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:16

S93	1	(sub\$1nyquist or sub\$1shannon\$1) with sampling and (cdma or W\$1cdma or ultra \$1wide\$1band) (370/310,320,324,319,491 or 375/130,136,140,141-148,152).ccls.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:17
S94	5	("7218666" or "20020051433" or "7076168" or "5852630" or "6370129").pn.	US-PGPUB; USPAT	AND	ON	2008/02/18 15:19
S95	1065	bandwidth with expanding	US-PGPUB; USPAT	AND	ON	2008/09/14 22:12
S96	1	"20070183535".pn.	US-PGPUB; USPAT	AND	ON	2008/09/14 22:31
S97	272	Shannon near sampling	US-PGPUB; USPAT	AND	ON	2008/09/14 22:44
S98	479	Shannon with sampling	US-PGPUB; USPAT	AND	ON	2008/09/14 22:44
S99	351	Shannon with sampling and (@ad<"20031007" or @pd<"20031007" or @rlad<"20031007" or @prad<"20031007")	US-PGPUB; USPAT	AND	ON	2008/09/14 22:44
S100	53	Shannon with sampling and (@ad<"20031007" or @pd<"20031007" or @rlad<"20031007" or @prad<"20031007") and (wireless or cdma or ofdm)	US-PGPUB; USPAT	AND	ON	2008/09/14 22:45
S101	27	Shannon with sampling and (@ad<"20010326" or @pd<"20010326" or @rlad<"20010326" or @prad<"20010326") and (wireless or cdma or ofdm)	US-PGPUB; USPAT	AND	ON	2008/09/14 22:46
S102	1235	over\$1sampling (@ad<"20010326" or @pd<"20010326" or @rlad<"20010326" or @prad<"20010326") and (wireless or cdma or ofdm)	US-PGPUB; USPAT	AND	ON	2008/09/14 22:53
S103	4	over\$1sampling with benefits (@ad<"20010326" or @pd<"20010326" or @rlad<"20010326" or @prad<"20010326") and (wireless or cdma or ofdm)	US-PGPUB; USPAT	AND	ON	2008/09/14 22:53
S104	9415	(375/240,240.01,240.21,354-355, E7.188,130,140,147).CCLS.	US-PGPUB; USPAT	AND	ON	2008/09/15 00:51
S105	18	Shannon with sampling and (@ad<"20031007" or @pd<"20031007" or @rlad<"20031007" or @prad<"20031007") (375/240,240.01,240.21,354-355, E7.188,130,140,147).CCLS.	US-PGPUB; USPAT	AND	ON	2008/09/15 00:51
S106	147	over\$1sampling (@ad<"20010326" or @pd<"20010326" or @rlad<"20010326" or @prad<"20010326") and (wireless or cdma or ofdm) (375/240,240.01,240.21,354-355, E7.188,130,140,147).CCLS.	US-PGPUB; USPAT	AND	ON	2008/09/15 00:51
S107	2	"20040252804"	US-PGPUB; USPAT	AND	ON	2008/09/15 01:08

S108	1	"20020054411".pn.	US-PGPUB; USPAT	AND	ON	2008/11/24 19:01
S109	1	"4556866".pn.	US-PGPUB; USPAT	AND	ON	2008/11/25 13:12
S110	22708	(sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 17:33
S111	232	(sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) with (nyquist) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 17:34
S112	258	(sub\$1nyquist) with sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 17:40
S113	0	(under\$1nyquist) with sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 17:42
S114	0	(sub\$1shannon) with sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 17:42
S115	319	(shannon) with sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 17:42
S116	319	(shannon\$3) with sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 17:42
S117	234	(sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) with (nyquist or shannon) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 18:27
S118	22	(under near nyquist) with sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 18:28
S119	261	(sub near nyquist) with sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 18:34

S120	296	(sub\$1nyquist or (sub near nyquist) or under\$1nyquist or (under near nyquist) or sub\$1shannon or under\$1shannon or (under near shannon) or (sub near shannon)) with sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 18:38
S121	234	(sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) with (nyquist or shannon) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 18:38
S122	475	S120 or S121	US-PGPUB; USPAT	AND	ON	2009/03/09 18:38
S123	164	S122 and (pseudo or spread\$3 or cdma or uwb or wide\$1band)	US-PGPUB; USPAT	AND	ON	2009/03/09 18:39
S124	2012	sampl\$3 with optimiz\$7 with (rate or frequenc\$3)	US-PGPUB; USPAT	AND	ON	2009/03/09 18:50
S125	1086	sampl\$3 with optimiz\$7 with (rate or frequenc\$3) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 18:50
S126	44	sampl\$3 with optimiz\$7 with (rate or frequenc\$3) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and cdma	US-PGPUB; USPAT	AND	ON	2009/03/09 18:50
S127	751	((sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) with (nyquist or shannon)) OR ((sub\$1nyquist or (sub near nyquist) or under\$1nyquist or (under near nyquist) or sub\$1shannon or under\$1shannon or (under near shannon) or (sub near shannon)) with sampl\$3))	US-PGPUB; USPAT	AND	ON	2009/03/09 19:00
S128	475	((sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) with (nyquist or shannon)) OR ((sub\$1nyquist or (sub near nyquist) or under\$1nyquist or (under near nyquist) or sub\$1shannon or under\$1shannon or (under near shannon) or (sub near shannon)) with sampl\$3)) AND (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/09 19:00



S130	2	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (((sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) with (nyquist or shannon)) OR ((sub\$1nyquist or (sub near nyquist) or under\$1nyquist or (under near nyquist) or sub\$1shannon or under\$1shannon or (under near shannon) or (sub near shannon)) with sampl\$3)) with (optimiz\$7 or optimis\$7)	US-PGPUB; USPAT	AND	ON	2009/03/09 19:01
S131	5	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (((sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) with (nyquist or shannon)) OR ((sub\$1nyquist or (sub near nyquist) or under\$1nyquist or (under near nyquist) or sub\$1shannon or under\$1shannon or (under near shannon) or (sub near shannon)) with sampl\$3)) with advantag\$3	US-PGPUB; USPAT	AND	ON	2009/03/09 19:01
S132	153	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND sampling with (baud or symbol) near (frequency or rate) and cdma	US-PGPUB; USPAT	AND	ON	2009/03/09 19:27
S133	17	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND sampling with (baud or symbol) near (frequency or rate) with (chip\$1 near (rate or frequenc\$3 or tim\$2 or timing))	US-PGPUB; USPAT	AND	ON	2009/03/09 19:43
S134	3	("20040057593" or "4716453" or "6507603").pn.	US-PGPUB; USPAT	AND	ON	2009/03/10 10:02
S135	29	Shannon with sampling with band\$1width and (@ad<"20031007" or @pd<"20031007" or @rlad<"20031007" or @prad<"20031007")	US-PGPUB; USPAT	AND	ON	2009/03/10 10:04
S136	10	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND sampling with shannon and cdma	US-PGPUB; USPAT	AND	ON	2009/03/10 10:50
S137	21	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND sampling with shannon and (cdma or ((spread near spectrum) or spread\$1spectrum) or uwb)	US-PGPUB; USPAT	AND	ON	2009/03/10 10:50
S138	21	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND sampling with shannon\$3 and (cdma or ((spread near spectrum) or spread\$1spectrum) or uwb)	US-PGPUB; USPAT	AND	ON	2009/03/10 10:51
S139	1	"20020051433".pn.	US-PGPUB; USPAT	AND	ON	2009/03/10 11:48
S140	2	("6792267" OR "5302950").PN.	US-PGPUB; USPAT	AND	ON	2009/03/10 11:52

S141	1	"6975666".pn.	US-PGPUB; USPAT	AND	ON	2009/03/10 12:08
S142	29	("5341395"   "5363403"   "5467368"   "5553062"   "5563610"   "5621752"   "5648968"   "5719852"   "5734647"   "5761237"   "5799004"   "5845208"   "5859879"   "5862124"   "5867411"   "5872776"   "5887034"   "6006110"   "6067290"   "6097771"   "6240098").PN. OR ("6975666").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2009/03/10 12:08
S143	12	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (((sub\$1sampl\$3 \$3 or under\$1sampl\$3 or (sub near sampl\$3) \$3) or (under near sampl\$3)) with (nyquist or shannon)) OR ((sub\$1nyquist or (sub near nyquist) or under\$1nyquist or (under near nyquist) or sub\$1shannon or under\$1shannon or (under near shannon) or (sub near shannon)) with sampl\$3)) and (cdma or uwb)	US-PGPUB; USPAT	AND	ON	2009/03/10 13:18
S144	45	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (adaptiv\$5 or select\$7 or dynamic\$3) with (sub\$1sampl\$3 \$3 or under\$1sampl\$3) and (cdma or uwb)	US-PGPUB; USPAT	AND	ON	2009/03/10 13:28
S145	57	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (adaptiv\$5 or select\$7 or dynamic\$3) with sampl\$3 near3 chip near2 (time or period or frequenc\$3 or rate)	US-PGPUB; USPAT	AND	ON	2009/03/10 13:54
S146	23	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (factor or interger or multipl\$3) with (sub\$1sampl\$3 \$3 or under\$1sampl\$3) and (cdma or uwb)	US-PGPUB; USPAT	AND	ON	2009/03/10 14:00
S147	30	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (factor or interger or multipl\$3) with (sub\$1sampl\$3 \$3 or under\$1sampl\$3 or (sub near sampl\$3) \$3) or (under near sampl\$3)) and (cdma or uwb)	US-PGPUB; USPAT	AND	ON	2009/03/10 14:01
S148	54	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (scal\$3 or factor or interger or multipl\$3) with (sub\$1sampl\$3 \$3 or under\$1sampl\$3 or (sub near sampl\$3) \$3) or (under near sampl\$3)) and (spread\$3 near spectrum)	US-PGPUB; USPAT	AND	ON	2009/03/10 14:38

S149	16	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (scal\$3 or factor or interger or multipl\$3) with (sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) and (spread\$3 near spectrum) with chip	US-PGPUB; USPAT	AND	ON	2009/03/10 14:38
S150	23	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (scal\$3 or factor or interger or multipl\$3) with (sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) and (spread\$3 near spectrum) with (chip or code)	US-PGPUB; USPAT	AND	ON	2009/03/10 14:38
S151	135	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (scal\$3 or factor or interger or multipl\$3) with (sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3) or harmonic\$1) and (spread\$3 near spectrum) with (chip or code)	US-PGPUB; USPAT	AND	ON	2009/03/10 14:40
S152	22	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (scal\$3 or factor or interger or multipl\$3) with (sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3) or harmonic\$1) with (chip or code) and (spread\$3 near spectrum)	US-PGPUB; USPAT	AND	ON	2009/03/10 14:40
S153	2	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (fraction\$3) with (sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3) or harmonic\$1) with (chip or code) and (spread\$3 near spectrum)	US-PGPUB; USPAT	AND	ON	2009/03/10 15:01
S154	382	(sub\$1sampl\$3 or under\$1sampl\$3) with optim\$7	US-PGPUB; USPAT	AND	ON	2009/03/11 17:23
S155	138	(sub\$1sampl\$3 or under\$1sampl\$3) near3 optim\$7	US-PGPUB; USPAT	AND	ON	2009/03/11 17:23
S156	40	(sub\$1sampl\$3 or under\$1sampl\$3) near3 optim\$7 and antenna	US-PGPUB; USPAT	AND	ON	2009/03/11 17:26
S157	35	(sub\$1sampl\$3 or under\$1sampl\$3) and ((multi\$1carrier with CDMA) OR MC \$1CDMA)	US-PGPUB; USPAT	AND	ON	2009/03/11 17:34
S158	23	(sub\$1sampl\$3 or under\$1sampl\$3) and ((multi\$1carrier with CDMA) OR MC \$1CDMA) AND (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/11 17:34
S159	1	"20030123384".pn.	US-PGPUB; USPAT	AND	ON	2009/03/11 17:40
S160	1	"6512737".pn.	US-PGPUB; USPAT	AND	ON	2009/03/11 17:42

S161	0	(sub\$sample\$3 or under\$1sample\$3 or (under near sample\$3 or (sub near sample\$3)) with (nyquist or shannon)) and multi\$1code same (fourier or fft or dft) AND (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/11 17:46
S162	15880	(sub\$sample\$3 or under\$1sample\$3 or (under near sample\$3 or (sub near sample\$3)) with (nyquist or shannon))	US-PGPUB; USPAT	AND	ON	2009/03/11 17:47
S163	8744	(sub\$sample\$3 or under\$1sample\$3 or (under near sample\$3 or (sub near sample\$3)) with (nyquist or shannon)) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/11 17:47
S164	2	(sub\$sample\$3 or under\$1sample\$3 or (under near sample\$3 or (sub near sample\$3)) with (nyquist or shannon)) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and cdma and multi\$1code	US-PGPUB; USPAT	AND	ON	2009/03/11 17:47
S165	48	(sub\$sample\$3 or under\$1sample\$3 or (under near sample\$3 or (sub near sample\$3)) with (nyquist or shannon)) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and cdma and multi\$1carrier	US-PGPUB; USPAT	AND	ON	2009/03/11 17:48
S166	3753	(inter\$1lac\$3 or derivat\$3) near3 sample\$3	US-PGPUB; USPAT	AND	ON	2009/03/11 19:37
S167	2337	(inter\$1lac\$3 or derivat\$3) near3 sample\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/11 19:37
S168	159	(inter\$1lac\$3 or derivat\$3) near3 sample\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and antenna\$1	US-PGPUB; USPAT	AND	ON	2009/03/11 19:38
S169	164	(inter\$1lac\$3 or derivat\$3) near3 sample\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and (antenna\$1 or cdma)	US-PGPUB; USPAT	AND	ON	2009/03/11 19:38
S170	22	(inter\$1lac\$3 or derivat\$3) near3 sample\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and (antenna\$1 or cdma) and (nyquist\$3 or shannon\$3)	US-PGPUB; USPAT	AND	ON	2009/03/11 19:40
S171	161	(degree\$1 near2 freedom) near3 sample\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/11 19:42

S172	11	(degree\$1 near2 freedom) near3 sampl\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and (antenna\$1 or cdma)	US-PGPUB; USPAT	AND	ON	2009/03/11 19:42
S173	539	(degree\$1 near2 freedom) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and (cdma)	US-PGPUB; USPAT	AND	ON	2009/03/11 19:44
S174	25	(degree\$1 near2 freedom) with (symbol or baud) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and (cdma)	US-PGPUB; USPAT	AND	ON	2009/03/11 19:44
S175	1	"20020051433".pn.	US-PGPUB; USPAT	AND	ON	2009/03/12 12:57
S176	73	cdma and (fft or fourier) same (rake or finger or (delay near2 spread)) (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 13:32
S177	2864	(cdma or "802.11"\$1b) and train\$3 and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 13:40
S178	1154	(cdma or "802.11"\$1b) and train\$3 with (sequenc\$3 or symbol\$1) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 13:41
S179	1003	(cdma) and train\$3 near2 (sequenc\$3 or symbol\$1) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 13:41
S180	961	(cdma) and training near2 (sequenc\$3 or symbol\$1) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 13:41
S181	153	(cdma) same training near2 (sequenc\$3 or symbol\$1) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 13:41
S182	1	"20030123384".pn.	US-PGPUB; USPAT	AND	ON	2009/03/12 14:09
S183	1	"7218666".pn.	US-PGPUB; USPAT	AND	ON	2009/03/12 14:14
S184	10	rake with (fourier or fft or dft) and pseudo and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 14:32
S185	2	finger with (fourier or fft or dft) and pseudo and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 14:34

S186	16	rake same (fourier or fft or dft) and pseudo and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326")	US-PGPUB; USPAT	AND	ON	2009/03/12 14:34
S187	1	"20030123384".pn.	US-PGPUB; USPAT	AND	ON	2009/03/13 08:03
S188	1	"5465269".pn.	US-PGPUB; USPAT	AND	ON	2009/03/13 08:40
S189	161	rake with combin\$3 with frequency	US-PGPUB; USPAT	AND	ON	2009/03/13 08:44
S190	1	"6154443".pn.	US-PGPUB; USPAT	AND	ON	2009/03/13 08:51
S191	1713	uwb with power	US-PGPUB; USPAT	AND	ON	2009/03/13 09:48
S192	48	uwb with power and @ad<"20010101"	US-PGPUB; USPAT	AND	ON	2009/03/13 09:49
S193	65	(cdma) same training near2 (sequenc\$3 or symbol\$1) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") (375/130,136,140,141-148,152 or 370/310,320,324,319,491).ccls.	US-PGPUB; USPAT	AND	ON	2009/03/13 10:11
S194	3	rake same (fourier or fft or dft) and pseudo and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") (375/130,136,140,141-148,152 or 370/310,320,324,319,491).ccls.	US-PGPUB; USPAT	AND	ON	2009/03/13 10:11
S195	1	rake with (fourier or fft or dft) and pseudo and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") (375/130,136,140,141-148,152 or 370/310,320,324,319,491).ccls.	US-PGPUB; USPAT	AND	ON	2009/03/13 10:11
S196	8	((@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") AND (scal\$3 or factor or interger or multipl\$3) with (sub\$1sampl\$3 or under\$1sampl\$3 or (sub near sampl\$3) or (under near sampl\$3)) and (spread\$3 near spectrum) with (chip or code) (375/130,136,140,141-148,152 or 370/310,320,324,319,491).ccls.	US-PGPUB; USPAT	AND	ON	2009/03/13 10:11
S197	65	(cdma) same training near2 (sequenc\$3 or symbol\$1) and (@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") (375/130,136,140,141-148,152 or 370/310,320,324,319,491).ccls.	US-PGPUB; USPAT	AND	ON	2009/03/13 10:11
S198	2	((irena with maravic) or (martin with vetterli) or (julius with kusuma)).in. and ((polytechnique with ecole with lausanne) or qualcomm).as.	US-PGPUB; USPAT	AND	ON	2009/03/13 10:23
S199	1	"6710646".pn.	US-PGPUB; USPAT	AND	ON	2009/08/27 16:44

S200	1230	below with nyquist	US-PGPUB; USPAT	AND	ON	2009/08/27 17:17
S201	1127	below with chip same sampl\$3	US-PGPUB; USPAT	AND	ON	2009/08/27 17:17
S202	174	below with chip same sampl\$3 and (pseudo or cdma)	US-PGPUB; USPAT	AND	ON	2009/08/27 17:18
S203	176	below with chip same sampl\$3 and (pseudo or \$2cdma)	US-PGPUB; USPAT	AND	ON	2009/08/27 17:18
S204	98	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and below with chip same sampl\$3 and (pseudo or \$2cdma)	US-PGPUB; USPAT	AND	ON	2009/08/27 17:18
S205	98	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and below with chip same sampl\$3 and (pseudo or \$2cdma)	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/27 17:18
S206	1475	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and symbol with sampl\$3 and (\$2cdma)	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/27 17:35
S207	963	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and symbol near3 sampl\$3 and (\$2cdma)	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/27 17:35
S208	601	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and symbol near3 sampl\$3 and chip and (\$2cdma)	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/27 17:36
S209	193	(@pd<"20010326" or @ad<"20010326" or @prad<"20010326" or @rlad<"20010326") and symbol near3 sampl\$3 and chip and (\$2cdma) and (nyquist\$3 or shannon\$3)	US-PGPUB; USPAT; USOCR	AND	ON	2009/08/27 17:36
S210	1	"20040057593".pn.	US-PGPUB; USPAT	AND	ON	2009/08/27 18:13
S211	35	("20040057593" or "6507603" or "4716453")	US-PGPUB; USPAT	AND	ON	2009/08/27 19:00
S212	1	("20040057593" or "6507603" or "4716453").pn"	US-PGPUB; USPAT	AND	ON	2009/08/27 19:00
S213	3	("20040057593" or "6507603" or "4716453").pn.	US-PGPUB; USPAT	AND	ON	2009/08/27 19:01

### EAST Search History (Interference)

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